Grade 4 Maths Unit 1.1 – Place Value & Decimals

Part A: Place Value

1. Fill in the blanks:

a) 0.2 = ____ tenths

b) 1.92 = ____ ones, ____ tenths, ____ hundredths

Choose the place value of the underlined digit:

a) 4.**3**6 = _____

c) 2.0**5** = _____

Part C: Multiply & Divide by 10, 100, 1000

5. Multiply:

a) 3.1 × 10 = ____

b) 74.7 × 100 = ____

c) 0.065 × 1000 = ____

6. Divide:

a) 6040 ÷ 100 = ____

b) 80,100 ÷ 1000 = ____

c) 6.56 ÷ 10 = ____

Part D: Word Problems

7. A chemist is measuring a liquid for an experiment. She has a large container with 25.5 liters of a solution. She needs to pour this solution into 10 smaller beakers, making sure each beaker has an equal amount of liquid. How many liters of solution will be in each beaker?

Answer: _____

8. A baker is filling tiny dessert cups with pudding. Each cup holds exactly 0.15 kg of pudding. If the baker fills 100 cups to sell at a school bake sale, what is the total weight of the pudding used for all the cups?

Answer: _____

9. An artist buys a roll of wire that is 7.2 meters long. She wants to create 10 small sculptures, and each sculpture will use the same length of wire. How many meters of wire will each sculpture use?

Answer: _____

10. A company is shipping a very popular new gadget. Each gadget weighs 0.08 kg. If they pack 1000 of these gadgets into a large crate for a store, what is the total weight of all the gadgets in the crate?

Answer: _____

Part E: Create Your Own

9. Write and solve your own word problem using multiplying or dividing decimals by 10, 100, or 1000.
   (Example: "A pencil is 0.15 m long. How long are 10 pencils?")

_____

_____

Solution: _____

Extension:

1) Start with 5.09

Multiply by 100, Divide by 10, Multiply by 1,000. What is your final answer? Answer: _____

2) Maria has **17 pencils in each pack**. She buys **1000 packs** and then gives away **220 pencils to her friends**. How many pencils does she now have left?

   Solution: _____

3) A farmer has **900 lemons**. He puts them in **100 baskets equally**. Then he sells **half of the baskets**. How many lemons does he sell?
   How many lemons are left?

   Apples sold: _____   Apples left: _____